

**USGS-NPS Vegetation Mapping Program**  
**Wupatki National Monument**

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*Tiquilia latior* / *Sporobolus airoides* Dwarf-shrubland [Provisional]

MAP CLASS	Crinklemat / Alkali Sacaton Dwarf Shrubland
COMMON NAME	Matted Crinklemat / Alkali Sacaton Dwarf-Shrubland
PHYSIOGNOMIC CLASS	Dwarf-shrubland (IV)
PHYSIOGNOMIC SUBCLASS	Evergreen dwarf-shrubland (IV.A)
PHYSIOGNOMIC GROUP	Extremely xeromorphic evergreen dwarf-shrubland (IV.A.2)
PHYSIOGNOMIC SUBGROUP	Natural/Semi-natural (IV.A.2.N)
FORMATION	Extremely xeromorphic evergreen subdesert dwarf-shrubland (IV.A.2.N.a)
ALLIANCE	<i>Tiquilia latior</i> Dwarf-Shrubland Alliance

CLASSIFICATION CONFIDENCE LEVEL Weak

USFS WETLAND SYSTEM Upland

RANGE

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Matted Crinklemat / Alkali Sacaton Dwarf-Shrubland is only known from one location in the project boundary. This association was found at Wupatki NM adjacent to the Little Colorado River corridor near Black Falls Crossing.

ENVIRONMENTAL DESCRIPTION

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This association was found at an elevation of 4,265 ft (1,300 m) with no slope. The substrate consisted of red sand, black cinders, and relict Pleistocene river cobbles.

MOST ABUNDANT SPECIES

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<u>Stratum</u>	<u>Species</u>
Dwarf-Shrub	<i>Tiquilia latior</i>
Herbaceous	<i>Sporobolus airoides</i>

ASSOCIATED SPECIES

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*Atriplex canescens*, *Atriplex confertifolia*

VEGETATION DESCRIPTION

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Only one relevé was assigned to the association Matted Crinklemat / Alkali Sacaton Dwarf-Shrubland. Total vegetation was 22% absolute cover with 16% in the shrub layer and 5% in the ground layer. Species diversity consists of 8 species.

The dwarf-shrub layer is dominated by *Tiquilia latior* with 4% absolute cover. The herbaceous layer is dominated by *Sporobolus airoides* with 4% absolute cover.

CONSERVATION RANK G?

DATABASE CODE Cegl005809

MAP CLASSES

The association Matted Crinklemat / Alkali Sacaton Dwarf-Shrubland is represented by map class Crinklemat / Alkali Sacaton Dwarf Shrubland (map code 12).

The total area mapped within Wupatki NM is 217 ac (88 ha) within 8 polygons and the total area in the park environs is 30 ac (12 ha) within 3 polygons.

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COMMENTS

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This association is only known from one location within the park; however, with more extensive sampling along the Colorado River on basaltic substrate we believe that additional examples of this association may have been located.